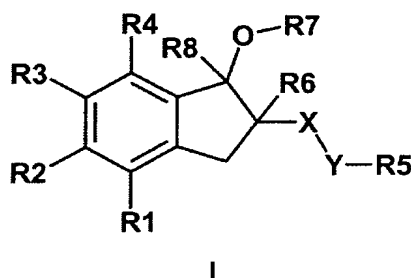


## CLAIMS

### What is claimed is:

1. A compound of the formula I,



in which

R1, R2, R3, R4 independently of one another are H; F, Cl, Br, I, ON, N<sub>3</sub>, NO<sub>2</sub>, OH, O(C<sub>1</sub>-C<sub>8</sub>)-alkyl, O(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, O-CH<sub>2</sub>-phenyl, O-phenyl, O-CO-(C<sub>1</sub>-C<sub>8</sub>)-alkyl, O-CO-(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, where in the alkyl radicals up to seven hydrogen atoms may be replaced by fluorine;

S(O)<sub>0-2</sub>(C<sub>1</sub>-C<sub>8</sub>)-alkyl, S(O)<sub>0-2</sub>(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, where in the alkyl radicals up to seven hydrogen atoms may be replaced by fluorine;  
NH<sub>2</sub>, NH-(C<sub>1</sub>-C<sub>8</sub>)-alkyl, NH-(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, N[(C<sub>1</sub>-C<sub>8</sub>)-alkyl]<sub>2</sub>, N[(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl]<sub>2</sub>, NH-CO-(C<sub>1</sub>-C<sub>8</sub>)-alkyl, NH-CO-(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl;  
SO<sub>3</sub>H, SO<sub>2</sub>-NH<sub>2</sub>, SO<sub>2</sub>-NH-(C<sub>1</sub>-C<sub>8</sub>)-alkyl, SO<sub>2</sub>-NH-(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl;  
SO<sub>2</sub>-(C<sub>1</sub>-C<sub>6</sub>)-alkyl;  
NH-SO<sub>2</sub>-NH<sub>2</sub>; NH-SO<sub>2</sub>-(C<sub>1</sub>-C<sub>8</sub>)-alkyl, NH-SO<sub>2</sub>-(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl;

$\text{O-CH}_2\text{-COOH}$ ,  $\text{O-CH}_2\text{-CO-O}(\text{C}_1\text{-C}_8)\text{-alkyl}$ ,  $\text{COOH}$ ,  $\text{COO}(\text{C}_1\text{-C}_8)\text{-alkyl}$ ,  $\text{CO-O}(\text{C}_3\text{-C}_8)\text{-cycloalkyl}$ ,  $\text{CO-NH}_2$ ,  $\text{CO-NH}(\text{C}_1\text{-C}_8)\text{-alkyl}$ ,  $\text{CO-N}[(\text{C}_1\text{-C}_8)\text{-alkyl}]_2$   
 $(\text{C}_1\text{-C}_8)\text{-alkyl}$ ,  $(\text{C}_3\text{-C}_8)\text{-cycloalkyl}$ ,  $(\text{C}_2\text{-C}_8)\text{-alkenyl}$ ,  $(\text{C}_2\text{-C}_8)\text{-alkynyl}$ ,  
 wherein the alkyl, alkenyl, and alkynyl groups one to seven hydrogen atoms may be replaced by fluorine;  
 or one hydrogen may be replaced by OH,  $\text{OC(O)CH}_3$ ,  $\text{O-CH}_2\text{-Ph}$ ,  $\text{NH}_2$ ,  $\text{NH-CO-CH}_3$  or  $\text{N(COOCH}_2\text{Ph)}_2$   
 phenyl, 1- or 2-naphthyl,  
 5-tetrazolyl, 1- $[(\text{C}_1\text{-C}_6)\text{-alkyl}]$ -5-tetrazolyl, 2- $[(\text{C}_1\text{-C}_6)\text{-alkyl}]$ -5-tetrazolyl,  
 1-imidazolyl,  
 1- or 4-[1,2,4]-triazolyl,  
 2- or 3-thienyl,  
 2- or 3-furyl,  
 2-, 3- or 4-pyridyl,  
 2-, 4- or 5-oxazolyl,  
 3-, 4- or 5-isoxazolyl,  
 2-, 4- or 5-thiazolyl,  
 3-, 4- or 5-isothiazolyl,  
 where the aryl radical or heterocycle may be substituted up to two times by  
 F, Cl, Br, CN,  
 OH,  $(\text{C}_1\text{-C}_4)\text{-alkyl}$ ,  $\text{CF}_3$ ,  $\text{O}(\text{C}_1\text{-C}_4)\text{-alkyl}$ ,  
 $\text{S(O)}_{0-2}(\text{C}_1\text{-C}_6)\text{-alkyl}$ ,  $\text{NH}_2$ ,  $\text{NH-SO}_2(\text{C}_1\text{-C}_4)\text{-alkyl}$ ;  
 $\text{COOH}$ ,  $\text{CO-O}(\text{C}_1\text{-C}_4)\text{-alkyl}$ ,  $\text{CO-NH}_2$  and where in the alkyl groups one to seven hydrogen atoms may be replaced by fluorine; or

R2 and R3 together form the radical  $\text{-O-CH}_2\text{-O-}$ ;

X is S, SO, SO<sub>2</sub>;

Y is (CH<sub>2</sub>)<sub>p</sub>, where p may be 0, 1, 2 or 3;

R5 is (C<sub>1</sub>-C<sub>18</sub>)-alkyl, (C<sub>3</sub>-C<sub>4</sub>)-cycloalkyl, (C<sub>6</sub>-C<sub>8</sub>)-cycloalkyl,  
where in the alkyl groups up to seven hydrogen atoms may be  
replaced by fluorine;  
(CH<sub>2</sub>)<sub>1-6</sub>-COOH, (CH<sub>2</sub>)<sub>1-6</sub>-COO-(C<sub>1</sub>-C<sub>6</sub>)-alkyl, (CH<sub>2</sub>)<sub>1-6</sub>-CONH<sub>2</sub>  
CH<sub>2</sub>-CH(NHR<sub>10</sub>)-COR<sub>11</sub>, where R<sub>10</sub> may be H or C(O)-(C<sub>1</sub>-C<sub>6</sub>)-alkyl  
and R<sub>11</sub> may be OH, O-(C<sub>1</sub>-C<sub>6</sub>)-alkyl or NH<sub>2</sub>;

phenyl, 1- or 2-naphthyl, biphenyl, or a heterocyclic radical, where the  
rings or ring systems are in each case substituted up to three times  
by

F, Cl, Br, I, CN, OH, O(C<sub>1</sub>-C<sub>8</sub>)-alkyl, O(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, O-CO-(C<sub>1</sub>-  
C<sub>8</sub>)-alkyl, O-CO-(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, S(O)<sub>0-2</sub>(C<sub>1</sub>-C<sub>8</sub>)-alkyl, S(O)<sub>0-2</sub>(C<sub>3</sub>-  
C<sub>8</sub>)-cycloalkyl, NH<sub>2</sub>, NH-(C<sub>1</sub>-C<sub>8</sub>)-alkyl, NH-(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, N[(C<sub>1</sub>-  
C<sub>8</sub>)-alkyl]<sub>2</sub>, N[(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl]<sub>2</sub>, NH-CO-(C<sub>1</sub>-C<sub>8</sub>)-alkyl, NH-CO-(C<sub>3</sub>-  
C<sub>8</sub>)-cycloalkyl, SO<sub>3</sub>H; SO<sub>2</sub>-NH<sub>2</sub>, SO<sub>2</sub>-NH-(C<sub>1</sub>-C<sub>8</sub>)-alkyl, SO<sub>2</sub>-NH-(C<sub>3</sub>-  
C<sub>8</sub>)-cycloalkyl, NH-SO<sub>2</sub>-NH<sub>2</sub>; NH-SO<sub>2</sub>-(C<sub>1</sub>-C<sub>8</sub>)-alkyl, NH-SO<sub>2</sub>-(C<sub>3</sub>-C<sub>8</sub>)-  
cycloalkyl; O-CH<sub>2</sub>-COOH, O-CH<sub>2</sub>-CO-O(C<sub>1</sub>-C<sub>8</sub>)-alkyl, COOH, CO-  
O(C<sub>1</sub>-C<sub>8</sub>)-alkyl, CO-O-(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, CO-NH<sub>2</sub>, CO-NH(C<sub>1</sub>-C<sub>8</sub>)-  
alkyl, CO-N[(C<sub>1</sub>-C<sub>8</sub>)-alkyl]<sub>2</sub>;

(C<sub>1</sub>-C<sub>8</sub>)-alkyl, (C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, where in the alkyl groups in each  
case one to seven hydrogen atoms may be replaced by fluorine;

R6 is (CH<sub>2</sub>)<sub>0-6</sub>-R<sub>9</sub>, (CH<sub>2</sub>)<sub>0-6</sub>-COOH, (CH<sub>2</sub>)<sub>0-6</sub>-COO-(C<sub>1</sub>-C<sub>6</sub>)-alkyl, (CH<sub>2</sub>)<sub>0-6</sub>-  
CONH<sub>2</sub>, (CH<sub>2</sub>)<sub>0-6</sub>-CH(NHR<sub>15</sub>)-COR<sub>16</sub>, F, Cl, Br, CN, (C<sub>1</sub>-C<sub>18</sub>)-alkyl,  
(C<sub>3</sub>-C<sub>4</sub>)-cycloalkyl, (C<sub>6</sub>-C<sub>8</sub>)-cycloalkyl, where in the alkyl radicals or  
cycloalkyl radicals up to seven hydrogen atoms may be replaced by fluorine;

R15 is H, C(O)-(C<sub>1</sub>-C<sub>6</sub>)-alkyl;

R16 is OH, O-(C<sub>1</sub>-C<sub>6</sub>)-alkyl, NH<sub>2</sub>

R7 is (CH<sub>2</sub>)<sub>0-4</sub>-R12, H, (C<sub>1</sub>-C<sub>12</sub>)-alkyl, (C<sub>3</sub>-C<sub>4</sub>)-cycloalkyl, (C<sub>6</sub>-C<sub>8</sub>)-cycloalkyl, COO(C<sub>1</sub>-C<sub>6</sub>)-alkyl, COO(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, where in the alkyl radicals or cycloalkyl radicals up to seven hydrogen atoms may be replaced by fluorine;

R8 is (CH<sub>2</sub>)<sub>0-4</sub>-R14, (C<sub>1</sub>-C<sub>12</sub>)-alkyl, (C<sub>3</sub>-C<sub>4</sub>)-cycloalkyl, (C<sub>6</sub>-C<sub>8</sub>)-cycloalkyl, where in the alkyl or cycloalkyl radicals up to seven hydrogen atoms may be replaced by fluorine atoms;

R9, R12, R14 independently of one another are

phenyl, 1- or 2-naphthyl, biphenyl, or a heterocyclic radical, where the rings or ring systems are in each case substituted up to three times by

F, Cl, Br, I, CN, OH, O(C<sub>1</sub>-C<sub>8</sub>)-alkyl, O(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, O-CO-(C<sub>1</sub>-C<sub>8</sub>)-alkyl, O-CO-(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, S(O)<sub>0-2</sub>(C<sub>1</sub>-C<sub>8</sub>)-alkyl, S(O)<sub>0-2</sub>(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, NH<sub>2</sub>, NH-(C<sub>1</sub>-C<sub>8</sub>)-alkyl, NH-(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, N[(C<sub>1</sub>-C<sub>8</sub>)-alkyl]<sub>2</sub>, N[(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl]<sub>2</sub>, NH-CO-(C<sub>1</sub>-C<sub>8</sub>)-alkyl, NH-CO-(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, SO<sub>3</sub>H; SO<sub>2</sub>-NH<sub>2</sub>, SO<sub>2</sub>-NH-(C<sub>1</sub>-C<sub>8</sub>)-alkyl, SO<sub>2</sub>-NH-(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, NH-SO<sub>2</sub>-NH<sub>2</sub>; NH-SO<sub>2</sub>-(C<sub>1</sub>-C<sub>8</sub>)-alkyl, NH-SO<sub>2</sub>-(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl; O-CH<sub>2</sub>-COOH, O-CH<sub>2</sub>-CO-O(C<sub>1</sub>-C<sub>8</sub>)-alkyl, COOH, CO-O(C<sub>1</sub>-C<sub>8</sub>)-alkyl, CO-O-(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, CO-NH<sub>2</sub>, CO-NH(C<sub>1</sub>-C<sub>8</sub>)-alkyl, CO-N[(C<sub>1</sub>-C<sub>8</sub>)-alkyl]<sub>2</sub>; (C<sub>1</sub>-C<sub>8</sub>)-alkyl, (C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, where in the alkyl groups in each case one to seven hydrogen atoms may be replaced by fluorine;

and its physiologically acceptable salts.

2. A compound of the formula I as claimed in claim 1 in which R1, R2, R3, R4 independently of one another are H, F, Cl, Br, N<sub>3</sub>, O(C<sub>1</sub>-C<sub>8</sub>)-alkyl, or (C<sub>1</sub>-C<sub>8</sub>)-alkyl and where in the alkyl groups one to seven hydrogen atoms may be replaced by fluorine;

where in each case at least one of the radicals R1, R2, R3 and R4 is different from hydrogen;

X is S, SO, or SO<sub>2</sub>;

Y is (CH<sub>2</sub>)<sub>p</sub>, where p may be 0, 1, 2, or 3;

R5 is (C<sub>1</sub>-C<sub>18</sub>)-alkyl, (C<sub>3</sub>-C<sub>4</sub>)-cycloalkyl, (C<sub>6</sub>-C<sub>8</sub>)-cycloalkyl, where in the alkyl groups up to seven hydrogen atoms may be replaced by fluorine;  
(CH<sub>2</sub>)<sub>1-6</sub>-COOH, (CH<sub>2</sub>)<sub>1-6</sub>-COO-(C<sub>1</sub>-C<sub>6</sub>)-alkyl, (CH<sub>2</sub>)<sub>1-6</sub>-CONH<sub>2</sub>  
CH<sub>2</sub>-CH(NHR<sub>10</sub>)-COR<sub>11</sub>, where R<sub>10</sub> may be H or C(O)-(C<sub>1</sub>-C<sub>6</sub>)-alkyl and R<sub>11</sub> may be OH, O-(C<sub>1</sub>-C<sub>6</sub>)-alkyl or NH<sub>2</sub>;

Phenyl, 1- or 2-naphthyl, biphenyl, or a heterocyclic radical, where the rings or ring systems are in each case substituted up to three times by

F, Cl, Br, I, CN, OH, O(C<sub>1</sub>-C<sub>8</sub>)-alkyl, O(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, O-CO-(C<sub>1</sub>-C<sub>8</sub>)-alkyl, O-CO-(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, S(O)<sub>0-2</sub>(C<sub>1</sub>-C<sub>8</sub>)-alkyl, S(O)<sub>0-2</sub>(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, NH<sub>2</sub>, NH-(C<sub>1</sub>-C<sub>8</sub>)-alkyl, NH-(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, N[(C<sub>1</sub>-C<sub>8</sub>)-alkyl]<sub>2</sub>, N[(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl]<sub>2</sub>, NH-CO-(C<sub>1</sub>-C<sub>8</sub>)-alkyl, NH-CO-(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, SO<sub>3</sub>H; SO<sub>2</sub>-NH<sub>2</sub>, SO<sub>2</sub>-NH-(C<sub>1</sub>-C<sub>8</sub>)-alkyl, SO<sub>2</sub>-NH-(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, NH-SO<sub>2</sub>-NH<sub>2</sub>; NH-SO<sub>2</sub>-(C<sub>1</sub>-C<sub>8</sub>)-alkyl, NH-SO<sub>2</sub>-(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl; O-CH<sub>2</sub>-COOH, O-CH<sub>2</sub>-CO-O(C<sub>1</sub>-C<sub>8</sub>)-alkyl, COOH, CO-

O(C<sub>1</sub>-C<sub>8</sub>)-alkyl, CO-O-(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, CO-NH<sub>2</sub>, CO-NH(C<sub>1</sub>-C<sub>8</sub>)-alkyl, CO-N[(C<sub>1</sub>-C<sub>8</sub>)-alkyl]<sub>2</sub>;  
(C<sub>1</sub>-C<sub>8</sub>)-alkyl, (C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, where in the alkyl groups in each case one to seven hydrogen atoms may be replaced by fluorine;

R6 (CH<sub>2</sub>)<sub>0-6</sub>-R9, (CH<sub>2</sub>)<sub>0-6</sub>-COOH, (CH<sub>2</sub>)<sub>0-6</sub>-COO-(C<sub>1</sub>-C<sub>6</sub>)-alkyl, (CH<sub>2</sub>)<sub>0-6</sub>-CONH<sub>2</sub>, (CH<sub>2</sub>)<sub>0-6</sub>-CH(NHR15)-COR16, F, Cl, Br, CN, (C<sub>1</sub>-C<sub>18</sub>)-alkyl, (C<sub>3</sub>-C<sub>4</sub>)-cycloalkyl, (C<sub>6</sub>-C<sub>8</sub>)-cycloalkyl, where in the alkyl radicals or cycloalkyl radicals up to seven hydrogen atoms may be replaced by fluorine;

R15 is H, C(O)-(C<sub>1</sub>-C<sub>6</sub>)-alkyl;

R16 is OH, O-(C<sub>1</sub>-C<sub>6</sub>)-alkyl, NH<sub>2</sub>;

R7 is (CH<sub>2</sub>)<sub>0-4</sub>-R12, H, (C<sub>1</sub>-C<sub>12</sub>)-alkyl, (C<sub>3</sub>-C<sub>4</sub>)-cycloalkyl, (C<sub>6</sub>-C<sub>8</sub>)-cycloalkyl, COO(C<sub>1</sub>-C<sub>6</sub>)-alkyl, COO(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, where in the alkyl radicals or cycloalkyl radicals up to seven hydrogen atoms may be replaced by fluorine;

R8 is (CH<sub>2</sub>)<sub>0-4</sub>-R14, (C<sub>1</sub>-C<sub>12</sub>)-alkyl, (C<sub>3</sub>-C<sub>4</sub>)-cycloalkyl, (C<sub>6</sub>-C<sub>8</sub>)-cycloalkyl, where in the alkyl or cycloalkyl radicals up to seven hydrogen atoms may be replaced by fluorine atoms;

R9, R12, R14 independently of one another are

phenyl, 1- or 2-naphthyl, biphenyl, or a heterocyclic radical, where the rings or ring systems are in each case substituted up to three times by

F, Cl, Br, I, CN, OH, O(C<sub>1</sub>-C<sub>8</sub>)-alkyl, O(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, O-CO-(C<sub>1</sub>-C<sub>8</sub>)-alkyl, O-CO-(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, S(O)<sub>0-2</sub>(C<sub>1</sub>-C<sub>8</sub>)-alkyl, S(O)<sub>0-2</sub>(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, NH<sub>2</sub>, NH-(C<sub>1</sub>-C<sub>8</sub>)-alkyl, NH-(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, N[(C<sub>1</sub>-

C<sub>8</sub>)-alkyl]<sub>2</sub>, N[(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl]<sub>2</sub>, NH-CO-(C<sub>1</sub>-C<sub>8</sub>)-alkyl, NH-CO-(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, SO<sub>3</sub>H; SO<sub>2</sub>-NH<sub>2</sub>, SO<sub>2</sub>-NH-(C<sub>1</sub>-C<sub>8</sub>)-alkyl, SO<sub>2</sub>-NH-(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, NH-SO<sub>2</sub>-NH<sub>2</sub>; NH-SO<sub>2</sub>-(C<sub>1</sub>-C<sub>8</sub>)-alkyl, NH-SO<sub>2</sub>-(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl; O-CH<sub>2</sub>-COOH, O-CH<sub>2</sub>-CO-O(C<sub>1</sub>-C<sub>8</sub>)-alkyl, COOH, CO-O(C<sub>1</sub>-C<sub>8</sub>)-alkyl, CO-O-(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, CO-NH<sub>2</sub>, CO-NH(C<sub>1</sub>-C<sub>8</sub>)-alkyl, CO-N[(C<sub>1</sub>-C<sub>8</sub>)-alkyl]<sub>2</sub>;  
(C<sub>1</sub>-C<sub>8</sub>)-alkyl, (C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, where in the alkyl groups in each case one to seven hydrogen atoms may be replaced by fluorine;

and its physiologically acceptable salts.

3. A compound of the formula I as claimed in claim 1 in which

R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub> independently of one another are H, F, Cl, Br, N<sub>3</sub>, O(C<sub>1</sub>-C<sub>8</sub>)-alkyl, or (C<sub>1</sub>-C<sub>8</sub>)-alkyl and where in the alkyl groups one to seven hydrogen atoms may be replaced by fluorine;

where in each case at least one of the radicals R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub> and R<sub>4</sub> is different from hydrogen;

X is SO<sub>2</sub>;

Y is (CH<sub>2</sub>)<sub>p</sub>, where p may be 0, 1 or 2;

R<sub>5</sub> is (C<sub>1</sub>-C<sub>8</sub>)-alkyl, where in the alkyl group up to seven hydrogen atoms may be replaced by fluorine;

R<sub>6</sub> is F, Cl, Br, CN, or (C<sub>1</sub>-C<sub>8</sub>)-alkyl, where in the alkyl group up to seven hydrogen atoms may be replaced by fluorine;

R<sub>7</sub> is H, or (C<sub>1</sub>-C<sub>12</sub>)-alkyl, where in the alkyl group up to seven hydrogen atoms may be replaced by fluorine;

R8            is (C<sub>1</sub>-C<sub>12</sub>)-alkyl, where in the alkyl group up to seven hydrogen atoms may be replaced by fluorine;

and its physiologically acceptable salts.

4.        A pharmaceutical composition comprising one or more compounds as claimed in claim 1 and a pharmaceutically acceptable carrier.

5.        The pharmaceutical composition according to claim 4, further comprising one or more active compounds for reducing weight in mammals.

6.        A method for reducing weight in mammals, comprising administering to said mammal a compound of formula I as claimed in claim 1.

7.        A method of treating obesity, comprising administering to a subject in need thereof, an effective amount of a compound of formula I as claimed in claim 1.

8.        The method of claim 7, further comprising administering one or more active compounds for reducing weight in mammals.

9.        A method of treating type II diabetes, comprising administering to a subject in need thereof, an effective amount of a compound of formula I as claimed in claim 1.

10.      The method of claim 9, further comprising administering one or more active compounds for reducing weight in mammals.



11. A method of maintaining weight loss, comprising administering to a subject in need thereof, an effective amount of a compound of formula I as claimed in claim 1.

12. The method of claim 11, further comprising administering one or more active compounds for reducing weight in mammals.